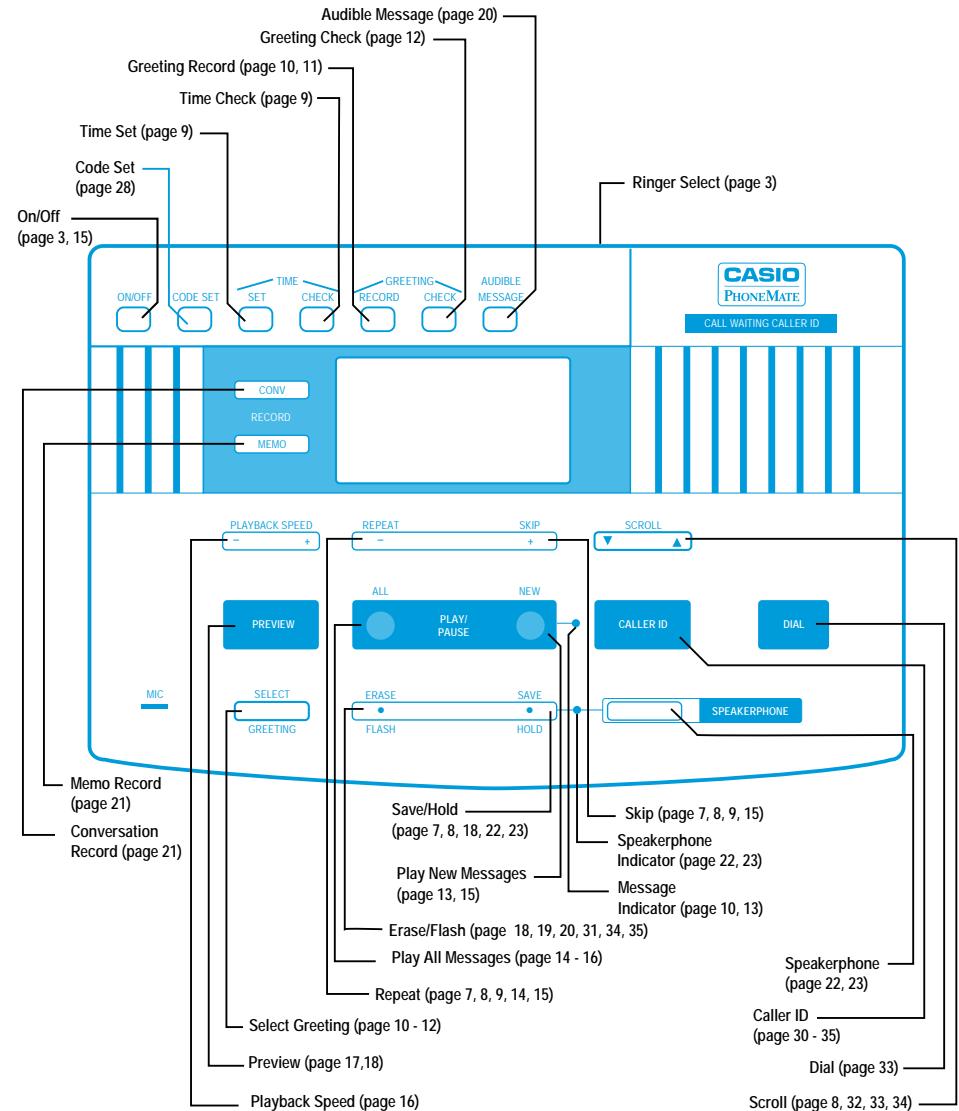
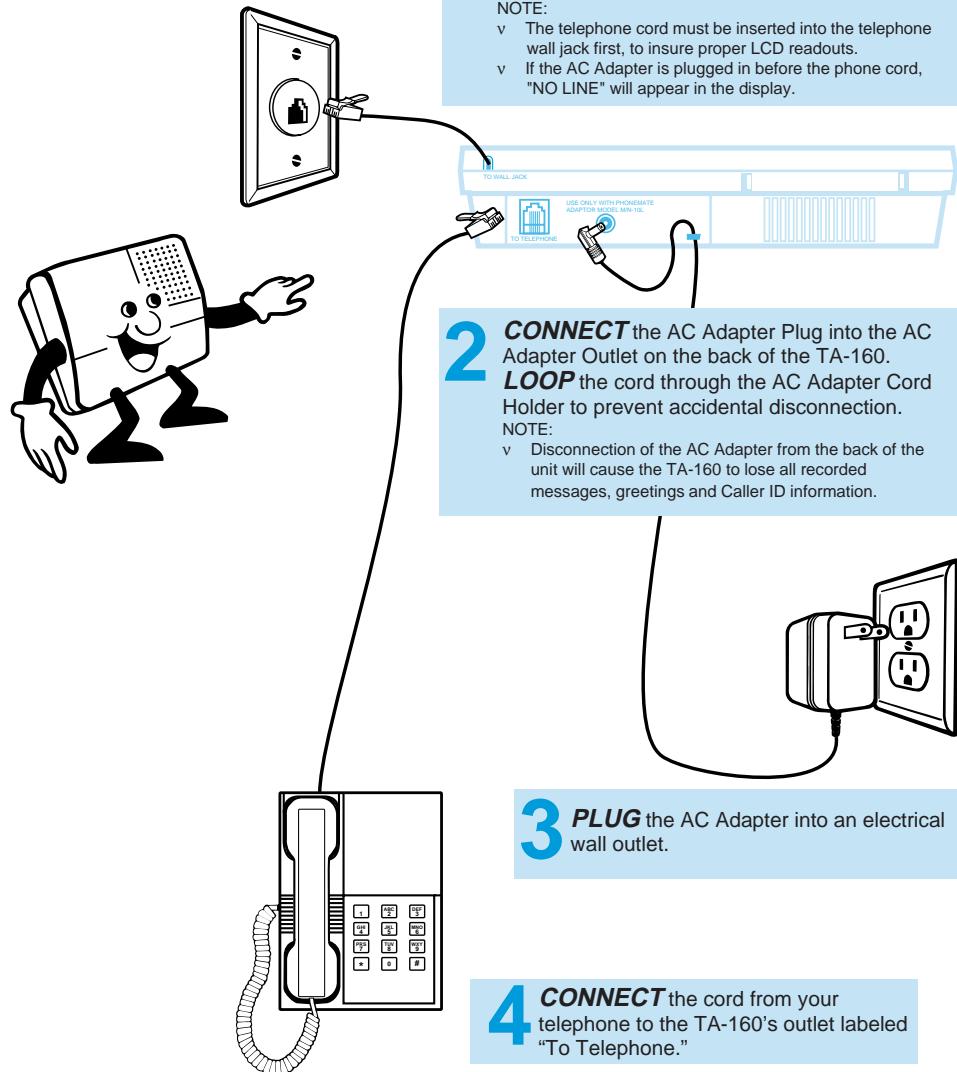


TA-160 FEATURES



INSTALLATION & SWITCH SETTING

INSTALL YOUR TA-160



1 **PLUG** the TA-160's telephone cord into a telephone wall jack.

NOTE:

- ✓ The telephone cord must be inserted into the telephone wall jack first, to insure proper LCD readouts.
- ✓ If the AC Adapter is plugged in before the phone cord, "NO LINE" will appear in the display.

2 **CONNECT** the AC Adapter Plug into the AC Adapter Outlet on the back of the TA-160.

LOOP the cord through the AC Adapter Cord Holder to prevent accidental disconnection.

NOTE:

- ✓ Disconnection of the AC Adapter from the back of the unit will cause the TA-160 to lose all recorded messages, greetings and Caller ID information.

3 **PLUG** the AC Adapter into an electrical wall outlet.

4 **CONNECT** the cord from your telephone to the TA-160's outlet labeled "To Telephone."

5 The LEDs and LCD will flash. The TA-160 is ready to program and record a greeting.

Note:

- ✓ This Call Waiting Caller ID answering machine must be installed on a touch tone line.

RING SELECT SWITCH

The answering machine is shipped with the **RING SELECT SWITCH** (on the back of the machine) set to answer after 4 rings. Set the **RING SELECT SWITCH** to 2, 4, or TS to select the number of rings before the TA-160 will answer a call.



TS 2 4
RINGS

2 = The TA-160 will answer on the second ring.

4 = The TA-160 will answer on the fourth ring.

TS = When calling from a remote location, tollsaver (TS) will help eliminate toll charges by letting you know if there are any new messages before the TA-160 answers.

When set to TS, the TA-160 answers on:

- ✓ **Second** ring if you have **NEW** messages.
- ✓ **Fourth** ring if you have **NO** new messages.

Hang up after the third ring to avoid toll charges.

Note:

- ✓ After you have retrieved messages, either from a remote location or at the machine, the tollsaver will reset to answer on the fourth ring until a new incoming message is recorded.

ON/OFF

Press **ON/OFF** (under the lid) to turn the answering machine on and off. The clock, speakerphone, Caller ID memory, Display & Dial and ringer will operate even if the unit is off.

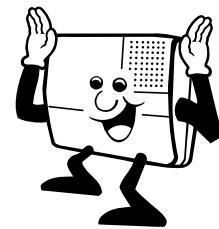


Note:

- ✓ Caller ID information and the call count is still recorded for incoming calls even when the answering machine is turned off.

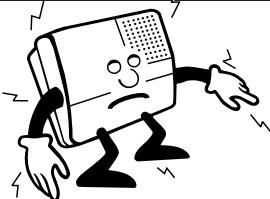
CALL SCREENING

CALL SCREENING allows you to hear who is calling before you answer the phone. The TA-160 will answer the call and play your greeting through the speaker. You will then hear the caller through the speaker.



1 If you want to speak to your caller, pick up any extension phone connected to the same line as your TA-160. The TA-160 will automatically stop recording. (See page 6 for Auto Extension Disconnect.)

IMPORTANT SAFETY INSTRUCTIONS



INSTALLATION INSTRUCTIONS

1. Never install telephone wiring during a lightning storm.
2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
4. Use caution when installing or modifying telephone lines.

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation, to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in an enclosed environment unless proper ventilation is provided.
7. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
8. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the appliance is subsequently used.
11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - E. If the product has been dropped or the cabinet has been damaged.
 - F. If the product exhibits a distinct change in performance.
12. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
13. Do not use the telephone to report a gas leak near the leak.

SAVE THESE INSTRUCTIONS

IMPORTANT TA-160 FEATURES

Caller ID

If you subscribe to a Caller Identification Service (available from most local telephone companies), the TA-160 can display the name and phone number of incoming calls. With the Caller ID feature, you can see who is calling before you answer a call.

Call Waiting Caller ID

If you subscribe to a Call Waiting Caller ID service from your local telephone company, the TA-160 can display the name and number of an incoming call while you are already talking to another party on an extension phone or the speakerphone.

NOTE:

- ✓ You must order the complete package known as "CALL WAITING/CALLER ID" from your local telephone company. If you simply subscribe to the separate CALL WAITING and CALLER ID services, you will not receive Call Waiting Caller ID information (Caller identification of the second caller) on your TA-160.

Caller ID Memory

The TA-160 automatically stores the Caller ID names and numbers of the last 75 calls you have received.

Display & Dial

The TA-160 conveniently allows you to dial any stored Caller ID number by pressing one button.

Message Preview™

This feature plays the first few seconds of each message for quick scanning, and message identification

Supertwist Nematic (STN) LCD

Advanced LCD technology in your TA-160 provides clear, multi-angle viewing of all LCD elements, including the caller's name and phone number if you subscribe to a Caller ID service from your local telephone company.

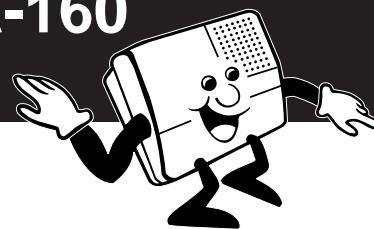
Permanent Memory Back-Up

No battery required. Indefinitely saves greetings, incoming messages and stored Caller ID data, in the event of a power failure.

Local Area Code Setting

If you are planning to use the Caller ID features on the TA-160, be sure to program your local area code into the TA-160's memory. The TA-160 needs this information to operate correctly when dialing stored Caller ID numbers. (see page 8.)

IMPORTANT TA-160 FEATURES



DIGITAL GREETING AND INCOMING MESSAGES

Greetings and incoming messages are recorded on a digital chip - reducing mechanical components and increasing reliability. The TA-160 allows a total of 14 minutes of combined recording time for greetings and incoming messages.

Your TA-160 all digital answering machine provides you with the following advantages:

1. Permanent Memory Back-Up: Does not require a battery during a power failure to maintain greetings, recorded messages, Caller ID data and the remote access code. The time and day setting is protected for about 20 minutes.
2. Reliability: There are no moving parts to break. The use of electronic components effectively increases the life of your machine.
3. Operational Ease: There is no tape to rewind or entangle. You no longer have to worry about replacing worn or damaged tapes.
4. Instant Access™ to Messages: All messages are recorded digitally and therefore can be accessed instantly for playback.
5. Features such as VARIABLE SPEED PLAYBACK™, SKIP & REPEAT and SELECTIVE SAVE & ERASE are only possible on all digital machines.

NOTE:

- v The audio quality of digitally recorded incoming messages and greetings may be subtly different than those recorded on microcassette.

AUTO EXTENSION DISCONNECT

When you answer a call using the speakerphone or an extension phone, the TA-160 will automatically stop playing the greeting or recording the incoming message. If it does not stop, briefly press and release the hook-switch on the extension phone.

VOICE ASSISTED OPERATION

When operating the TA-160 at this machine or from a remote telephone, a synthesized voice confirms machine functions and commands.

TIME/DAY STAMP

No more guess-work to determine the time and day that your messages were recorded. Your TA-160 will digitally stamp each message with this information.

PROGRAMMING THE TA-160

After installing your TA-160, program the following options:

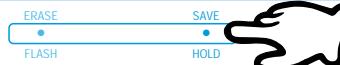
1. Ringer On/Off
2. Outside Line
3. Area Code
4. Call Waiting Caller ID On/Off

Note:

- v You should program all options at one time.

TO SELECT THE PROGRAM OPTIONS

1 Enter the programming mode by pressing **SAVE/HOLD** continuously for 5 seconds. You will hear a beep.



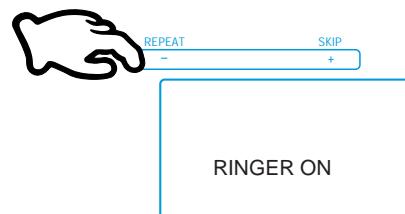
2 The current programming option will appear in the display.

PROGRAM OPTION 1: RINGER ON/OFF

You can set the TA-160 to ring like a telephone when a call comes in.

When "RINGER OFF" (or "RINGER ON") appears in the display:

1 Press **SKIP/REPEAT** to turn the ringer on (or off).



2 When the Ringer is set, press **SAVE/HOLD** to program this option and advance to the next option.



Note:

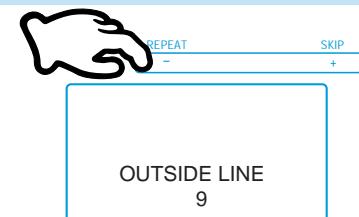
- v The factory default for the TA-160 Ringer is **OFF**.

PROGRAM OPTION 2: OUTSIDE LINE

For business use, if your PBX telephone system requires that you enter an extra digit to obtain an outside line, the TA-160 can be programmed to automatically dial this outside line whenever you dial a stored Caller ID number.

After you have set the Ringer On or Off and "OUTSIDE LINE" appears in display:

1 Press **SKIP/REPEAT** to select the outside line digit.



2 When the Outside Line is set to the desired single digit, press **SAVE/HOLD** to program this option and advance to the next option.



Note:

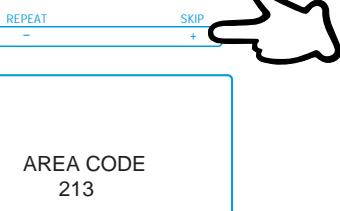
- v The TA-160 will automatically add a pause of 2-3 seconds after the Outside Line digit is dialed to insure proper connection time to an outside line through your telephone system.

PROGRAMMING (continued)

PROGRAM OPTION 3: LOCAL AREA CODE SETTING

The TA-160 can make returning phone calls easier by automatically dialing stored Caller ID numbers. For this feature to work correctly, it is necessary to program your local area code into the unit. After you have set the Outside Line option and "AREA CODE" appears in the display:

1 Press **SKIP/REPEAT** to select the first digit of your area code.



2 Press **SCROLL**. The cursor will move, left or right, to the desired location.



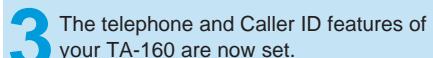
3 Press **SKIP/REPEAT** to select the second digit of your area code.



4 Press **SCROLL** to advance to the location of the last digit.



5 Press **SKIP/REPEAT** to select the last digit of your area code.



6 Press **SAVE/HOLD**. The area code will be announced and the TA-160 will advance to the next option.



PROGRAM OPTION 4: CALL WAITING CALLER ID ON/OFF

The Call Waiting Caller ID option is factory preset to "ON". If you do not subscribe to Call Waiting Caller ID, turn this option "OFF". You will still be able to answer Call Waiting calls if you have this service. Once you have set the Local Area Code and "CALL WAITING CALLER ID" appears in the display:

1 Press **SKIP/REPEAT** to select ON or OFF.



2 Press **SAVE/HOLD** to program this option and exit programming mode.



3 The telephone and Caller ID features of your TA-160 are now set.

TIME/DAY STAMP

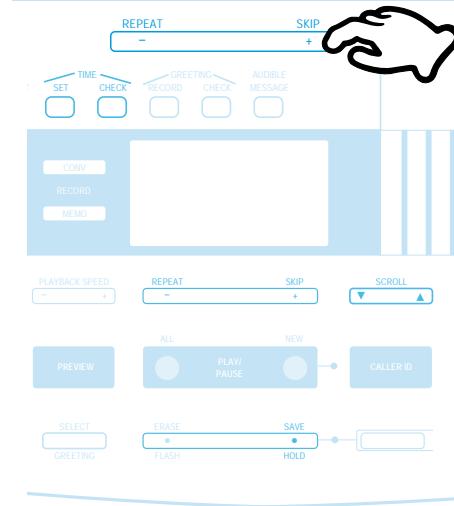
SET VOICE TIME/DAY STAMP AND LCD CLOCK

During message playback, a synthesized voice will announce the time and day of the week. To set the current time and day of the week:

1 Press **TIME SET** (under the lid). You will hear:



2 Press **SKIP/REPEAT** until the correct day is displayed in the LCD screen.



3 Press **TIME SET**. The first two digits on the LCD clock will flash, and you will hear:

Enter hour.

4 Press **SKIP** to advance or **REPEAT** to reverse to the current hour.

Enter minutes.

5 Press **TIME SET**. The last two digits on the LCD clock will flash, and you will hear:

6 Press **SKIP** to advance or **REPEAT** to reverse the minutes.

Saturday,
2:32 a.m.

7 Press **TIME SET** again to end. The day and time will be announced and voice time/day stamp is complete.

Note:
v If the time and day have not been set, all messages will be voice stamped with "Sunday 12:00 a.m."

TIME CHECK

In addition to the LCD clock display, a synthesized voice announces the time and day.

1 Press **TIME CHECK** (under the lid).



RECORD GREETING

PRE-RECORDED GREETINGS

If you press **GREETING CHECK** and a greeting has not been recorded, the TA-160 will remind you that you need to record a greeting by playing:

Please record a greeting.

When the TA-160 answers a call, the callers will hear the pre-recorded message:

Hello, please record a message after the tone.

RECORDING GREETINGS

You can record a greeting of unlimited length for both greetings.

Helpful Hints When Recording:

- v Greeting should be recorded in a quiet room. Avoid any background noise when recording.
- v Greeting should be recorded using the voice of one person only.

GREETING 1

1 Be sure the **MESSAGE ON/OFF LED** (right of the PLAY/PAUSE button) is lit or flashing.



2 Slide the **VOLUME CONTROL** switch to midpoint (located on the right side).

Note:

- v The sound level is automatically adjusted when the greeting is played to callers over the phone line.

3 Press **SELECT GREETING** until "OUTGOING: GRT 1" appears in the display and you hear:



OUTGOING: GRT 1

4 Press **GREETING RECORD**. You will hear:



RECORDING GRT 1

5 When "RECORDING GRT 1" is displayed, begin speaking loudly and clearly, about 6-8" from the MICPHONE.

6 Press **GREETING RECORD** after you finish speaking. The greeting is automatically replayed and the TA-160 is ready to answer phone calls with GREETING 1.

GREETING 2

1 Press **SELECT GREETING** until "OUTGOING: GRT 2" appears in the display and you hear:

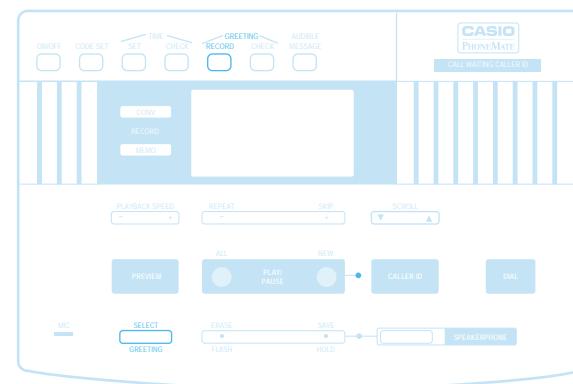


OUTGOING: GRT 2

2 Press **GREETING RECORD**. You will hear:



RECORDING GRT 2



3 When "RECORDING GRT 2" is displayed, record your greeting by speaking loudly and clearly, about 6-8" from the MICPHONE.

4 Press **GREETING RECORD** after you finish speaking. The greeting is automatically replayed and the TA-160 is ready to answer phone calls with GREETING 2.

DISTINCTIVE RING PATTERN

The TA-160 will play a different greeting upon receiving a distinctive ring pattern from your local telephone company. You must subscribe to a distinctive ring service to use this mode.

To activate the TA-160's Distinctive Ring feature: Press **SELECT GREETING** to select Greeting 2 as the main greeting. This will automatically set the TA-160 to the Distinctive Ring Mode. The TA-160 answers calls using Distinctive Ring as follows:

GREETING 1 answers on the first distinctive ring pattern.

GREETING 2 answers on standard ring.

Note:

- v If the unit is set to answer using Greeting 1 and you subscribe to distinctive ring service, both the normal and distinctive ring calls will be answered by GREETING 1.

GREETING (continued)

LISTEN TO GREETING

You can listen to your greetings anytime.

- 1 Press **SELECT GREETING** until the greeting mode you want appears in the display.



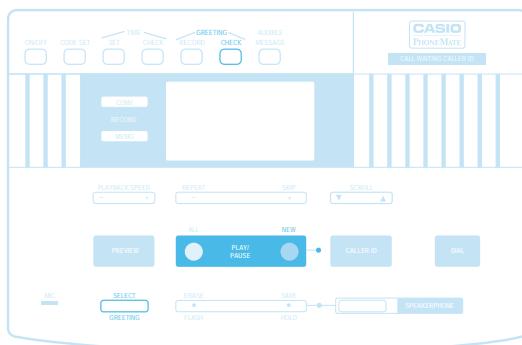
OUTGOING GRT 2

- 2 Press **GREETING CHECK** (under the lid), and the greeting you selected will play.



NOTES:

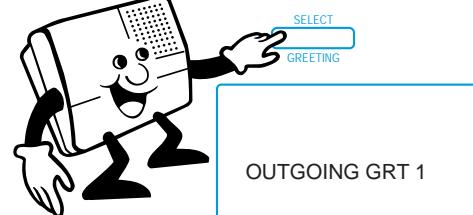
- v If a greeting has not been recorded, you will hear "Please record a greeting."
- v You can also select, listen and record your greetings from a remote telephone. See Remote Operation on page 26.



CHANGE GREETING MODE

To change your greeting mode.

- 1 Press **SELECT GREETING** until the desired greeting appears in the display.



OUTGOING GRT 1

BYPASS GREETING

Frequent callers can skip your greeting when they call to leave a message. Instruct callers to press # on their touchtone keypad any time after the TA-160 answers their call.



PLAY MESSAGES

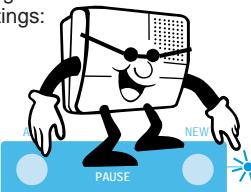
- 2 All new messages are played in the order received. The time and day will be announced before each message and the corresponding Caller ID information will be displayed.

Tuesday,
3:45 p.m.

Hi, this is Sue.
I was calling...

NEW MESSAGE ON/OFF INDICATOR

The MESSAGE INDICATOR LIGHT (the red LED to the right of the PLAY/PAUSE button) has four settings:



OFF = The answering machine is off and will not record messages.

ON (solid red light) = The machine is on and there are no new or saved messages.

Quickly flashes = New messages have been received and not yet played.

Slowly flashes = Messages have been played and saved.

PLAY NEW MESSAGES

The new message count will be displayed in the LCD and the MESSAGE INDICATOR LIGHT will flash quickly when new messages are received.

WED	CALLS
6:25 PM	22
MESSAGES	
ALL:5	NEW:3

- 1 Press **NEW PLAY/PAUSE**. You will hear:



I will play new messages.

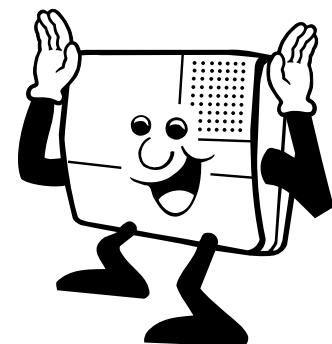
- 3 After the end of the last message, "END OF MESSAGES" will appear in the LCD for several seconds and you will hear:

End of messages.

END OF MESSAGES

Notes:

- v If a * symbol appears in the display during message playback, the Caller ID information associated with this message will also appear. This data has been stored in the TA-160 for future reference.
- v If the time and day have not been set, all messages will be voice stamped with "Sunday 12:00 a.m."
- v The LCD will display the total number of new and saved messages separately.

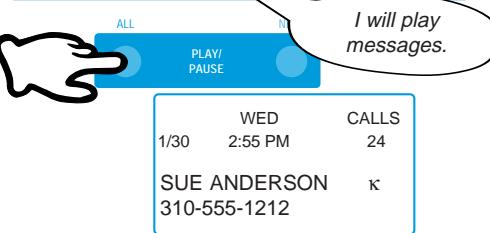


PLAY MESSAGES (continued)

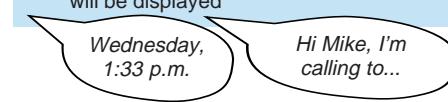
PLAY ALL MESSAGES

The MESSAGE INDICATOR LIGHT will either flash slowly when messages have been played and saved or flash quickly to indicate that new messages have been received. The total number of received messages will be displayed in the LCD.

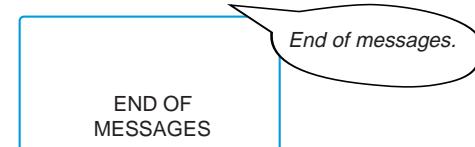
- 1 Press **ALL PLAY/PAUSE** to replay all new and saved messages. You will hear:



- 2 All messages are played in the order received. The time and day will be announced before each message and the corresponding Caller ID information will be displayed



- 3 After the end of the last message, "END OF MESSAGES" will appear in the LCD for several seconds and you will hear



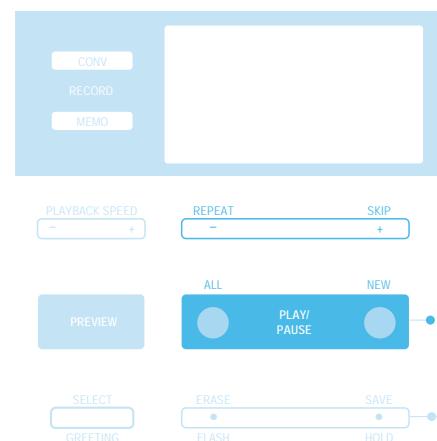
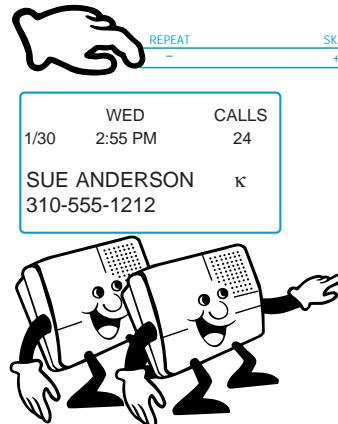
Note:

- v If a * symbol appears in the display during message playback, the Caller ID information associated with this message will also appear. This data has been stored in the TA-160 for future reference.

REPEAT

You can repeat an entire incoming message.

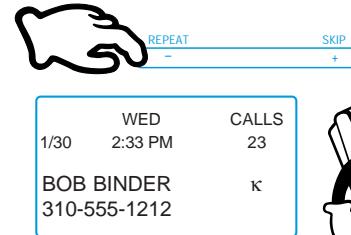
- 1 Press **REPEAT** during playback to replay the message. The call number and Caller ID information will be displayed and the message will replay.



SKIP BACKWARD

Skip backward - message by message.

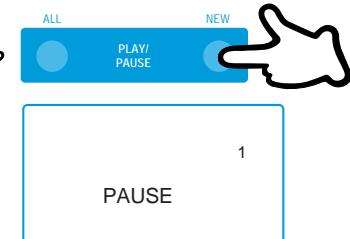
- 1 Press **REPEAT** twice everytime you want to skip backward to a previous message. The call number will be displayed and the message you skipped to will play.



PAUSE MESSAGE PLAYBACK

You can temporarily pause message playback for up to 5 minutes.

- 1 Press **ALL** or **NEW PLAY/PAUSE** anytime during message playback. "PAUSE" will appear in the LCD to indicate the TA-160 is pausing message playback.



You have three options during pause:

- 2 Press **ALL** or **NEW PLAY/PAUSE** again to resume listening to the message.

OR

- 2 Leave the TA-160 in pause mode. It will automatically reset to answer calls after 5 minutes. All messages will be saved.

OR

- 2 Press **ON/OFF** (under the lid) twice to end pause and resume normal operation.



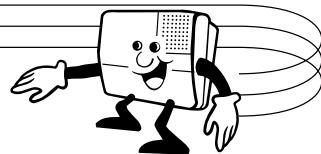
Notes:

- v The TA-160 will not answer calls in the pause mode.
- v Messages may also be paused in the Message Preview™ mode by pressing PREVIEW during message playback.

PLAY MESSAGES (continued)

REPLAY ALL MESSAGES

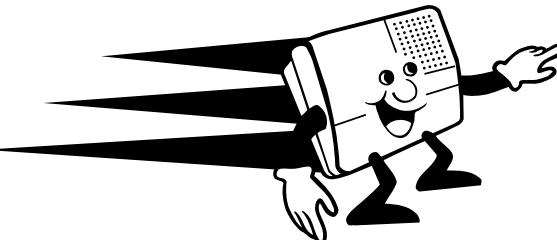
To replay all received and saved messages,



1 Press **ALL PLAY/PAUSE** after hearing:



End of messages.



PLAYBACK
SAVE NORMAL

PLAYBACK
SAVE FAST

PLAYBACK
SAVE SLOW

PLAYBACK SPEED

Playback Speed allows you to play your messages 50% faster or 50% slower. You can switch between slow, fast or normal speed during message playback.



Slow Playback: From Normal Playback, press **PLAYBACK SPEED (-)** once. The TA-160 will play your messages 50% slower than normal.

Fast Playback: From normal playback, press **PLAYBACK SPEED (+)** once. The TA-160 will play your messages 50% faster than normal.

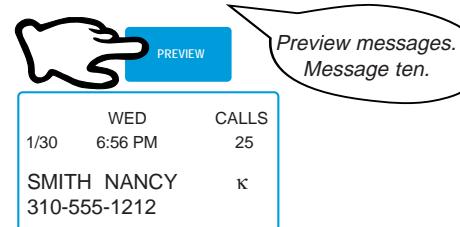
Normal Playback: To return to Normal Playback speed from Slow Playback mode, press **PLAYBACK SPEED (+)** once. To return to normal playback from the Fast Playback mode, press **PLAYBACK SPEED (-)** once.

PREVIEW NEW MESSAGES

You can quickly scan new messages by listening to the first few seconds of each message.

You have two ways to preview messages.

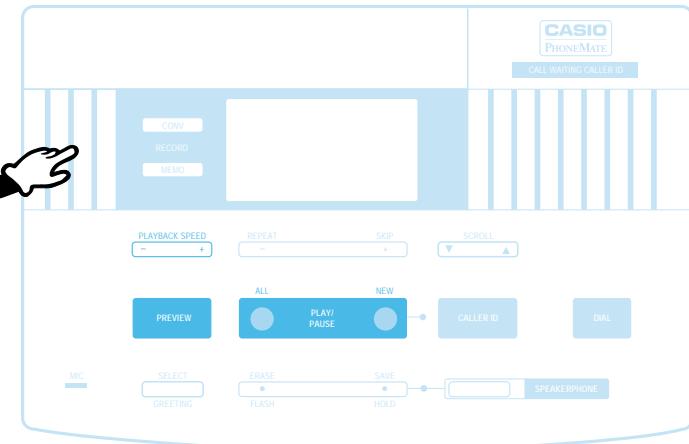
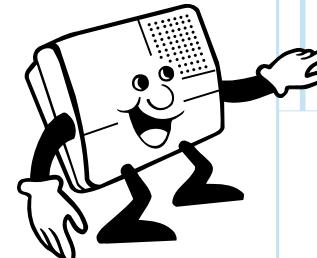
1 Press **PREVIEW** to scan new messages. Depending on the number of messages recorded, you will hear:



WED
1/30 6:56 PM CALLS
25
SMITH NANCY
310-555-1212

2 The first five seconds of each new message will play in the order of receipt.

OR



1 Press **NEW PLAY/PAUSE**.



2 Press **PREVIEW** during new message playback to start scanning. The display screen will indicate "PREVIEW" and new messages will begin to playback in the Message Preview™ mode.



WED
1/30 6:56 PM CALLS
25
SMITH NANCY
310-555-1212

Note:
v You may pause MESSAGE PREVIEW™ at anytime by pressing PREVIEW during playback.

PLAY MESSAGES (continued)

PREVIEW ALL SAVED MESSAGES

If you have played all new messages, you can quickly scan all saved messages by listening to the first few seconds of each message. You have two ways to preview all saved messages.

- 1 Press **PREVIEW**. Depending on the number of messages recorded, you will hear:



- 2 The first five seconds of each saved message will play.

OR

- 1 Press **ALL PLAY/PAUSE**.



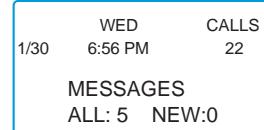
- 2 Press **PREVIEW** during playback of all messages. The TA-160 will start scanning all messages. "PREVIEW" will appear in the display and all messages will begin to playback in the MESSAGE PREVIEW™ mode.

Note:

- v You may pause MESSAGE PREVIEW™ at anytime by pressing PREVIEW during playback.

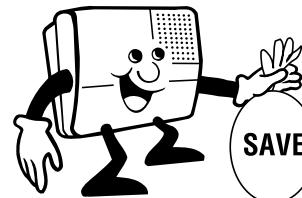
AUTOMATIC SAVE

If you do not press **SAVE/HOLD** or **ERASE/FLASH** while listening to messages or after playing them, the TA-160 will automatically save all messages. You will hear:



SAVE ALL MESSAGES

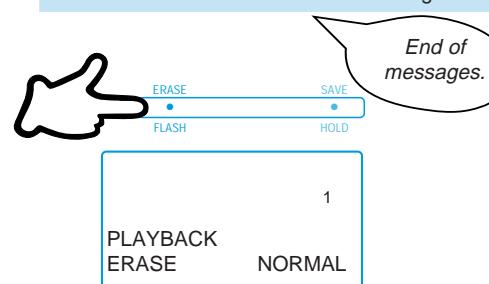
If you wish to manually save all messages, press **SAVE/HOLD** within seven seconds after hearing "End of messages" or after pressing **ERASE/FLASH**. You will hear "I will save messages" and "ALL SAVE" will appear in the LCD for several seconds to confirm messages have been saved. The total message count will appear in the LCD.



ERASE INDIVIDUAL MESSAGES

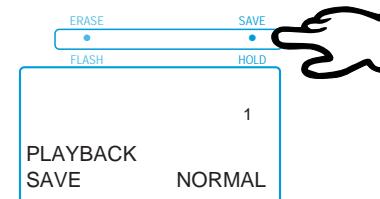
You may erase individual messages during playback.

- 1 Press **ERASE/FLASH** during message playback. You will hear a beep and "ERASE" will appear in the LCD for several seconds and the message will be deleted seven seconds after hearing:



If you change your mind and decide to save the message:

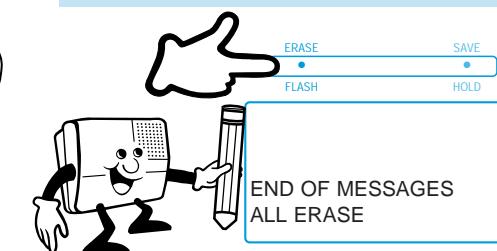
- 1 Press **SAVE/HOLD** while listening to message or within seven seconds after pressing **ERASE/FLASH**. You will hear a beep and "SAVE" will appear in the display for several seconds to confirm that the message was saved.



Note:
v All Caller ID information that is associated with a recorded message will be saved, even if the message is erased during playback.

ERASE ALL MESSAGES

- 1 Press **ERASE/FLASH** within seven seconds of seeing "END OF MESSAGES" in the LCD and hearing "End of messages" to erase all messages. "ALL ERASE" will appear in the LCD for several seconds to confirm that all messages were erased.



If you change your mind and decide to save the messages:

- 1 Press **SAVE/HOLD** within seven seconds after pressing **ERASE/FLASH**. "ALL SAVE" will appear in the display for several seconds to confirm that all messages were saved.



Note:
v All Caller ID information that is associated with a recorded message will be saved, even if the message is erased during playback.

PLAY MESSAGES (continued)

AUDIBLE MESSAGE INDICATOR

The AUDIBLE MESSAGE INDICATOR feature lets you know you have new messages. If new messages are recorded, you will hear two beeps or a voice every 60 seconds.

1 Make sure the volume control is at the midpoint.

2 Press **AUDIBLE MESSAGE INDICATOR** (under the lid) to change this option. The display will change between the following options.



AUDIBLE MSG/VOICE = "Hello, You have new messages" is announced every sixty seconds.

AUDIBLE MSG/TONE = 2 beeps are emitted every sixty seconds.

AUDIBLE MSG/OFF = The Audible Indicator is off.

Note:

v The factory default for Audible Message Indicator is set to **OFF**.

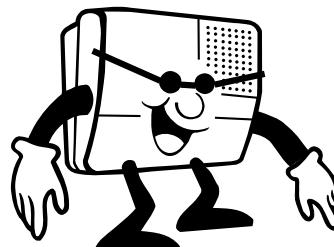
ANSWERING A CALL DURING PLAYBACK

If you receive an incoming call during message playback:

1 Press **SPEAKERPHONE** to speak with the caller. Message playback will stop and all messages will be saved automatically.



FLASH/CALL WAITING



If you subscribe to a Call Waiting or Call Waiting Caller ID service from your local telephone company, and you receive another call while using the TA-160 speakerphone, you can answer the Call Waiting call.

1 Call waiting Caller ID information will be displayed when you hear the Call Waiting Caller ID tone.

WED	CALLS
2/14	34
BOB BINDER	
310-555-1212	

2 Press **ERASE/FLASH** to answer the second call and automatically place the original caller on hold.



3 Press **ERASE/FLASH** again to return to the first call. You can switch between the two calls until one of the callers hangs-up.

Note:

v The FLASH button may also be used on a business phone system (CENTREX, PBX) for transferring calls to other extensions.

CONVERSATION & MEMO RECORD

TO RECORD A CONVERSATION

The TA-160 allows you to record important telephone conversations while using the speakerphone or the telephone directly connected to your TA-160. The conversation will be stamped with the time and day for future playback.

1 Press **CONV RECORD** any time during a conversation. "RECORDING" will display in the LCD.

RECORDING



CONV
RECORD
MEMO

2 Press **CONV RECORD** to end the recording.

RECORD A MEMO

Record a memo to yourself, an associate or another household member. A memo up to 5 minutes in length can be recorded and played at the machine or in remote operation as a recorded message, along with other messages received. The memo will be stamped with the time and day it was recorded.

1 Press **MEMO RECORD**. "RECORDING" will display in the LCD and you will hear:

Please record a new message after the tone.



RECORDING

2 Press **MEMO RECORD** again to end recording.

PLAY, SAVE & ERASE MEMOS OR CONVERSATIONS

Recorded memos and conversations are played along with the incoming messages in the order in which they were recorded. See PLAY MESSAGES page 13 and 14, SAVE MESSAGES page 17, or ERASE MESSAGES page 17 and 18.

WORK & TALK SPEAKERPHONE™

WORK & TALK SPEAKERPHONE

The TA-160's speakerphone allows you to answer calls while working and talking hands-free. By using the Caller ID data on the TA-160's display, you can identify the caller before you answer a call.

1 Caller ID information will be displayed between the first and second rings.



WED
2:33 PM
TALK

3 Begin speaking 2-3 feet from the microphone.

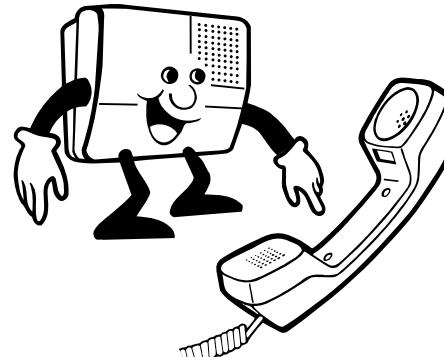
4 Press **SPEAKERPHONE** after you finish speaking. This will disconnect the call.

Helpful Hints:

- ✓ One person at a time should speak while using the speakerphone.
- ✓ Reduce or eliminate background noise such as radio or television.
- ✓ Do not use an extension phone and the speakerphone at the same time.

SWITCH FROM SPEAKERPHONE TO AN EXTENSION PHONE

To switch from the SPEAKERPHONE to an extension phone:



1 Place the caller on HOLD by pressing the **SAVE/HOLD** button.



2 Pick up the extension phone, and begin speaking. Once the extension phone is picked-up, the call will automatically be taken off HOLD and the SPEAKERPHONE will be turned off.

SWITCH FROM AN EXTENSION PHONE TO SPEAKERPHONE

While using an extension phone,

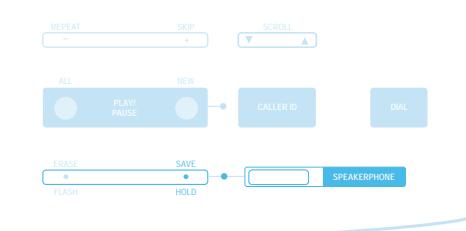
1 Press **SPEAKERPHONE**.



2 Hang up the extension phone and begin speaking.

Note:

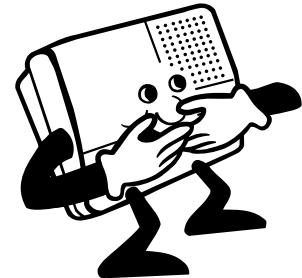
- ✓ If you use the SPEAKERPHONE and an extension phone at the same time, you may hear a howling noise. Lower the volume on the TA-160 to eliminate the noise.



HOLD CALLS

You may place a call on HOLD while using the speakerphone. Move to another room and pick up an extension phone. The TA-160 will automatically take the call off HOLD.

To place a call on HOLD:



1 Press **SAVE/HOLD**.



WED
2:33 PM
HOLD

To take a call off HOLD:

1 Press **SPEAKERPHONE** or **SAVE/HOLD** or pick up an extension phone to take the call off HOLD.

Note:

- ✓ Any call left on HOLD for 5 minutes will be automatically disconnected.

REMOTE OPERATION

You can use REMOTE OPERATION from most touchtone or cellular phones to retrieve, replay, erase, and save messages or to re-record your greetings. The TA-160's Remote Access feature allows you to access the TA-160 when you are away from your home or office. The 3-digit Remote Code is preset to **1-2-3** and can be re-programmed to any 3-digit number. (See page 28 to program your remote access code.)

If you call from a rotary dial/pulse telephone, use CASIO PHONEMATE's Touchtone Dialer. Use the accessory order form on page 43 to place an order.

REMOTE MESSAGE RETRIEVAL

1 Call the answering machine from cellular, pay, or touchtone telephones.

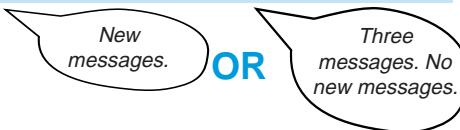
2 ENTER your 3-digit remote code approximately two seconds after the greeting begins.



Note:

v If the TA-160 does not respond when you enter your code, try again after the beep.

3 Depending on the number of messages, you will hear:



4 Your new messages will be played. After the last message is played, you will hear:



5 The Remote Voice Menu lists available options. Select a remote option or hang up.

Note:

v Hang up anytime to cancel message playback. The TA-160 will automatically save all messages, unless you choose to erase them.

SKIP BACKWARD

You can skip backwards to listen to previous messages.

1 Press ***** twice on the telephone keypad to skip back to previous messages.



SKIP FORWARD

You can skip forward through messages.

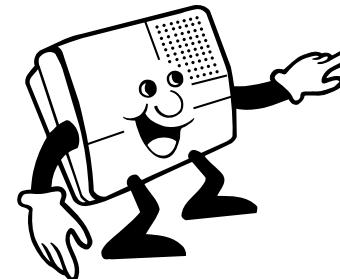
1 Press **#** on the telephone keypad to forward to the next message.



REMOTE VOICE MENU

After new message playback, the TA-160 lists the remote menu options. You can select a remote option or hang up to save messages.

Enter **1** to REPLAY or
STAR (**K**) to PREVIEW.
Enter **2** to SAVE.
Enter **3** to ERASE.
Enter **4** to RECORD A MESSAGE.
Enter **5** to RECORD A GREETING.
Enter **6** to SELECT A GREETING.
Enter **8** to turn SPEAKERPHONE on.
Enter **9** to set ANSWER off.



REPLAY ALL MESSAGES

Replay all messages from a remote location after new messages have been automatically played back.

1 Press **1** on the telephone keypad. You will hear:



2 All saved and new messages will play in the order received.

3 You may select another option or hang up and the TA-160 will automatically save all messages.

SAVE ALL MESSAGES MANUALLY

If you do not erase messages, the TA-160 will automatically save messages when you hang up.

1 Press **2** on the telephone keypad within 7 seconds after the voice menu ends. You will hear:

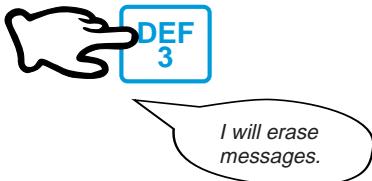


2 Select another option or hang up.

REMOTE OPERATION (cont)

ERASE ALL MESSAGES

1 Press **3** on the telephone keypad after hearing, "End of Messages". You will hear:



Note:

- v If you choose to erase messages by pressing 3, all messages are permanently erased when the call is terminated, but all Caller ID data associated with recorded messages will be saved for future reference.

RECORD A MESSAGE

Record a message for a household member from a remote location.

1 Enter **4** on the touchtone keypad to record a new message. You will hear:



2 After the tone, begin speaking.

3 Press **4** when you finish speaking.

RECORD A NEW GREETING

Change your greeting from a remote location.

1 Enter **5** on the touchtone keypad to record a new greeting. You will hear:



2 After the tone, begin speaking.

3 Press **5** when finished.

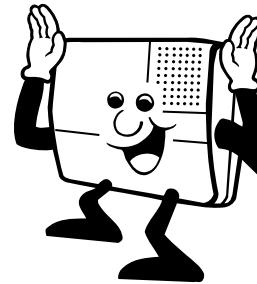
SELECT A GREETING

Change between GREETING 1 or 2 from a remote location.

1 Enter **6** on the touchtone keypad to change between GREETING 1 to 2.



2 The selected greeting for GREETING 1 or 2 will play and callers will hear this greeting.



REMOTE SPEAKERPHONE

You may call the TA-160 and speak to an individual in the home or office using the unit's speakerphone. After entering your remote access code:

1 Enter **7** on your keypad. This will automatically activate the speaker of the TA-160 and allow you to have a conversation.



2 Begin speaking loudly to request a conversation with an individual at your home or office.

NOTE:

- v No buttons need to be pressed on the TA-160 for 2-way conversations.

3 Every 60 seconds, the TA-160 will announce the remote voice menu options. Press **7** to continue speaking through the speakerphone or press any of the other remote option keys.



4 Enter any key to end the conversation via Remote Speakerphone.

REMOTE ROOM MONITOR

You may call the TA-160 and listen to the activity in your home or office. After entering you remote access code:

1 Enter **8** on your keypad.



2 Listen to the activity in your home or office.

3 After 60 seconds, the remote voice menu will repeat at which time you may continue listening to the activity in your home or office by pressing **8**, or press any other remote option key.

4 Enter any key to stop monitoring the room.

NOTE:

- v If you access the remote room monitor and you hear silence on the line, the TA-160 does not detect any noise in the room.

REMOTE OPERATION (cont)

PROGRAM THE REMOTE ACCESS CODE

The TA-160 allows you to set your own private and personalized 3-digit remote access code.

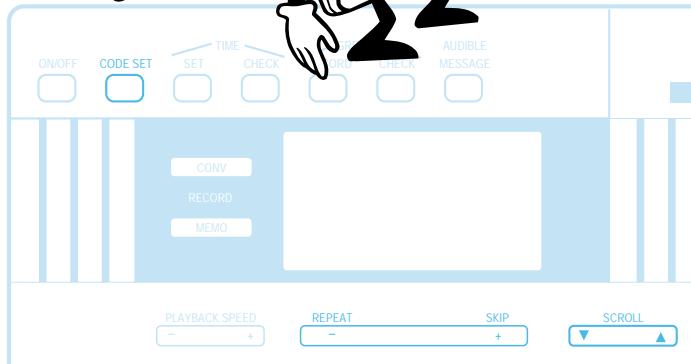
1 Press **CODE SET** (under the lid). You will hear, "Please enter remote code." The LCD will display:



2 The first digit of the code will flash. Press **SCROLL** to select the first digit of the code you would like to change.



3 Press **SKIP/REPEAT** to select a digit of your choice (0-9).



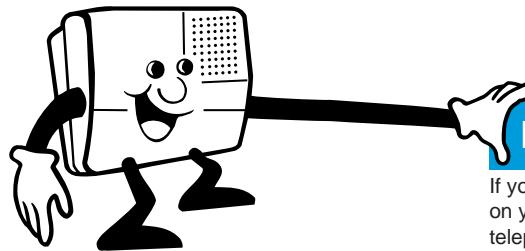
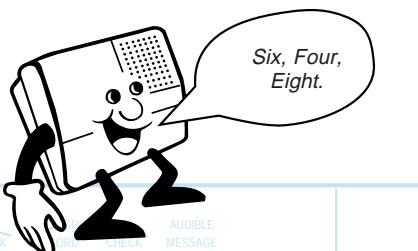
4 Press **SCROLL** to select the second digit of the code you would like to change.

5 Press **SKIP/REPEAT** to select a digit of your choice (0-9).

6 Press **SCROLL** to select the third digit of the code you would like to change.

7 Press **SKIP/REPEAT** to select a digit of your choice (0-9).

8 Press **CODE SET** to exit the mode. You will hear your personalized remote access code announced:



REMOTE ACTIVATION

If you leave your home or office without turning on your TA-160, you can do so from any telephone.

1 Call your TA-160 and let your phone ring 15 times or more times.

2 The TA-160 will turn on and you will hear your greeting.

MESSAGE RETRIEVAL WHEN MEMORY IS FULL

If the TA-160's memory is full, you will hear three short beeps and "Memory is full" will be played after your greeting. To retrieve messages remotely when the TA-160's memory is full:

1 Enter your **3-DIGIT REMOTE ACCESS CODE** during the greeting or within ten seconds after the three beeps.



2 Follow the instructions on page 24 for remote message retrieval. To allow for additional incoming messages, it is advisable to erase all messages.



CALLER ID

CALLER ID SERVICE OPTIONS

You must subscribe to a CALLER ID service (available from most local telephone companies) in order to receive CALLER ID information. Most CALLER ID services offer the following two options:

Standard CALLER ID with name and number:

The name, phone number and local time (if available) of the incoming calls are received within the first two rings.

CALL WAITING CALLER ID with name and number:

The name, phone number and local time (if available) of the incoming call are received after your phone rings. If you are on the phone and receive another call, you will hear a tone, telling you there is a call waiting. The CALL WAITING CALLER ID information will appear on the display.

Note:

v The display illustrations in the remainder of this section are presented with the assumption that your CALLER ID service provides both name and number. If you have a number-only service, the name will be blank or state "UNAVAILABLE" in the display.

SAVING CALLER ID INFORMATION

The TA-160 automatically saves up to 75 CALLER ID entries. CALLER ID information (name, phone number, date, time) that is transmitted will be stored for your reference. All CALLER ID names and numbers are stored in order of receipt (last call is displayed as highest memory number.) If the memory becomes full, the newest entries will be saved and the oldest ones will be erased.

ANSWERING CALLER ID CALLS

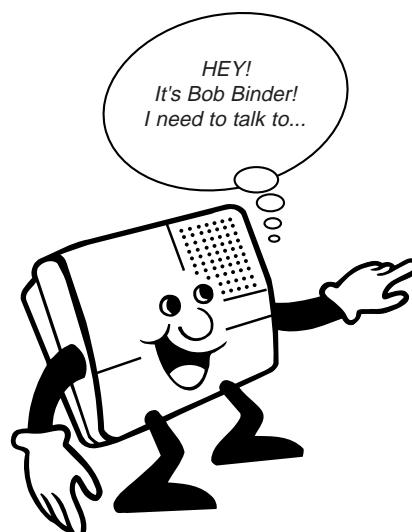
When you receive a call, the TA-160 will receive the CALLER ID information from your phone company and display the name and number within the first two rings.

WED	2:33 PM	CALLS
2/14		25
BINDER BOB		
310-555-1212		

You can answer the call and automatically retain all the CALLER ID information received.

Note:

- v If you answer a call before you see the CALLER ID data in the display, the CALLER ID information for that call will not be stored.



ANSWERING CALL WAITING CALLER ID CALLS

If you subscribe to a CALL WAITING CALLER ID service with your telephone company, the TA-160 can receive a Caller ID call while you are on the line with another party.

- 1 If a second call comes while you are on the telephone, your TA-160 will beep over the telephone line.

- 2 After the first or second beep, the name and number of the incoming caller will appear on the display. You can decide whether to answer the second call or ignore it and continue with the first call.

WED	5:14 PM	CALLS
1/27		5
WILSON BOB		
310-555-1212		

NOTE:

- v If you choose to ignore the second call, that caller will not be able to leave a message on the answering machine while you are talking with the first caller, but the Caller ID information will be stored for future reference.

- 3 If you choose to take the second call using the speakerphone, press **ERASE/FLASH** to answer it.

- 4 Press **ERASE/FLASH** to continue to switch between the two calling parties indefinitely.

NOTE:

- v The telephone company cannot transmit Call Waiting Caller ID information if two or more extension phones are in use.

CALL WAITING WITHOUT CALLER ID

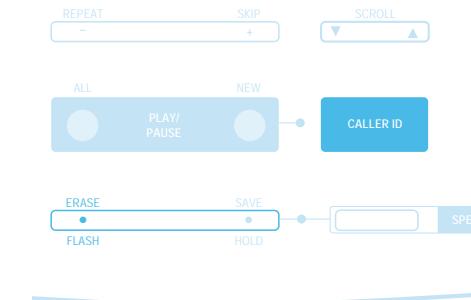
If you subscribe to a CALL WAITING service from your local telephone company, and receive another call while using the phone, you will hear a beep over the telephone line.

- 1 Press **ERASE/FLASH** to answer the second call.



- 2 To return to the first call, press **ERASE/FLASH** again.

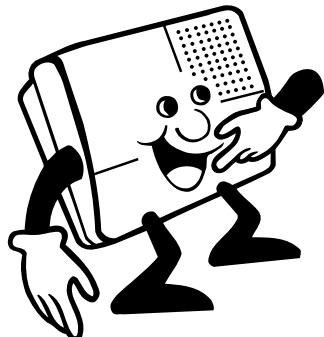
FLASH may also be used on a business phone system (CENTREX, PBX) for transferring calls.



CALLER ID (Continued)

RECEIVING CALLER ID INFORMATION WHEN CALL IS NOT ANSWERED

If CALLER ID calls are not answered by the TA-160, CALLER ID information will be displayed for about 20 seconds after the phone stops ringing. The TA-160 will automatically store the CALLER ID information into memory.



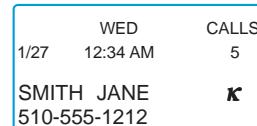
REPLAY MESSAGES ATTACHED TO CALLER ID RECORDS

All Caller ID records that have an attached recorded message will have the **K** symbol in the display. You may playback the attached message while scrolling through Caller ID records.

1 Press **CALLER ID** to access stored Caller ID records.



2 Using the **SCROLL** button, find the desired Caller ID record with an attached message.



3 Press **ALL PLAY/PAUSE** to only playback the selected message.



REVIEWING CALLER ID ENTRIES

If you received calls while you were away from your TA-160, you can retrieve the stored CALLER ID entries from memory.

1 Press **CALLER ID**. The entry for the most recently received call will be displayed:



CALLER ID

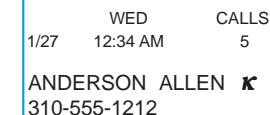


2 CALLS 68 indicates that N Johnson is your most recent caller and it is your sixtieth call. This helps you keep track of how many entries are currently stored in your TA-160. Use the **SCROLL KEY** to see the other entries.



SCROLL

SCROLL



3 Press **DIAL** and the TA-160 will automatically establish a dial tone and place the call. You can then use the speakerphone or an extension phone to talk.



DIALING STORED CALLER ID NUMBERS

The TA-160 allows you to place calls using stored CALLER ID information.

1 Press **CALLER ID**.



Note:

- ✓ Be sure that you have programmed your local area code into the TA-160 before using this feature. See "Programming the TA-160" (page 7) for more information.

CALLER ID (Continued)

“BLOCKED” AND “UNAVAILABLE” CALLER ID INFORMATION

If a caller chooses to partially or completely “block” CALLER ID information, a message will appear on the display indicating that the name and/or phone number has been blocked:

BLOCKED
BLOCKED

Time and date information for the call is recorded into the TA-160’s memory. If, for any other reason, the name and/or number information is currently not available from your local phone company, an “Unavailable” message will appear on the display:

UNAVAILABLE
UNAVAILABLE

NOTE:

- Depending on your local telephone company, the name and/or number field may also appear blank in the display.



DELETING INDIVIDUAL CALLER ID ENTRIES

Specific CALLER ID entries may be deleted.

1 Press **CALLER ID**.



2 Press the **SCROLL DOWN** or **UP ARROW KEY** to locate the entry you wish to delete.



3 Press and release **ERASE/FLASH**. “DELETE ?” message will appear and you will hear a tone.



WED
1/27 12:34 AM
DELETE ?
310-555-1212

4 Press **ERASE/FLASH** again within 5 seconds to confirm. The Caller ID entry will then be deleted and you will hear a confirmation tone.

NOTE:

- Upon deleting Caller ID entries, any attached recorded message will be saved.

DELETING ALL CALLER ID INFORMATION

1 Press **CALLER ID**.



2 Press and hold **ERASE/FLASH** until you see the “DELETE ALL ?” message appear on the display and you will hear a tone.

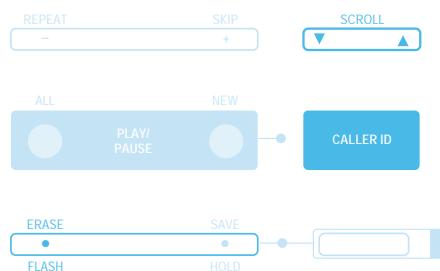


WED
1/27 12:34 AM
CALLS
4
DELETE ALL?
310-555-1212

3 Press **ERASE/FLASH** again within 5 seconds to confirm. All CALLER ID entries will then be deleted.

NOTE:

- Upon deleting Caller ID entries, any attached recorded message will be saved.



USING THE TA-160 WITHOUT CALLER ID SERVICE

If you do not subscribe to a CALLER ID service, you can still benefit from most of the TA-160’s advanced features. However, you should be aware of the following:

1 Pressing **CALLER ID** will simply display the “NO CALLS” message and the call count will not be recorded.



NO CALLS

2 The CALL WAITING CALLER ID and Outside Line program options will have no effect.

Note:

- Certain sounds and voice pitches may occasionally cause the TA-160 to incorrectly “think” that the local phone company is sending CALL WAITING CALLER ID information. Although no CALLER ID data will show up on the display, the TA-160 may mute the phone line for a second or so. To prevent this annoyance, simply make sure that the CALL WAITING CALLER ID program option is set to “OFF” (see page 8).

ADDITIONAL INFORMATION

MOVING THE TA-160

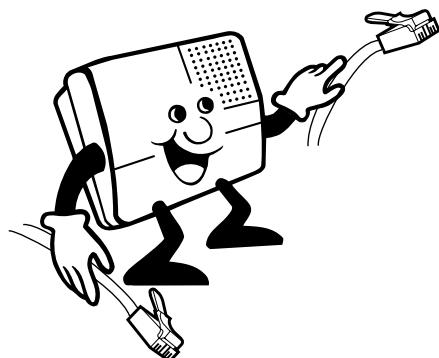
Unplug the TA-160 from the wall outlet if you wish to move the unit. All recorded messages, programmed settings and Caller ID data will be saved.

Note:

- v Do not remove the AC Adaptor plug from the back of the unit. All recorded messages, Caller ID data and machine settings will be lost.

TWO-LINE INSTALLATION

Two-line installations may require a two-line T-Adapter for your machine to operate correctly. The T-Adapter allows you to connect your machine to Line 1 or Line 2. The TA-160 will only answer one line.



MULTI-LINE INSTALLATION

Installations with more than two lines, such as a business phone system, may require a separate RJ11 jack for answering machines. Please contact your telephone equipment provider for additional information.

You can use the TA-160 as an extension phone on a business phone system, but some systems will require that you install an A+A1 Adapter to light the in-use indicator on the receptionist's console. See the accessory order form on the last page of this owner's guide to order an A+A1 Adapter.

LIMITED WARRANTY

IMPORTANT! SALES SLIP OR EVIDENCE OF PURCHASE DATE REQUIRED

This limited warranty gives you specific legal rights; you may also have other rights which vary from state to state.

The limited warranty is extended only to the original consumer of a CASIO PHONEMATE product and is valid only with respect to consumers within the United States of America and Canada. Subject to the following conditions, should this product prove defective by reason of improper workmanship or material:

During the period of one (1) year from the date of original purchase, CASIO PHONEMATE will repair or, at its option, replace the product without charge for parts or labor. If CASIO PHONEMATE elects to replace the product, such replacement may be accomplished with a factory-reconditioned unit.

This limited warranty does not apply: (a) to any product damaged by accident, misuse, improper line voltage, lightning, fire, water, or other acts of nature, (b) if the product is altered or repaired by anyone other than CASIO PHONEMATE, INC. or one of its authorized warranty stations or if the FCC-approved connector plugs are removed. This limited warranty does not cover tapes or broken or marred cabinets.

Except to the extent prohibited by applicable law, all implied warranties made by CASIO PHONEMATE in connection with this product are limited in duration to a period of one (1) year from the date of original purchase, and no warranties, whether expressed or implied, shall apply to this product after said period.

Should this product prove defective in workmanship or material, the consumer's sole remedies shall be such repair or replacement as is herein-above provided. Under no circumstances shall CASIO PHONEMATE be liable for any loss or damage, direct, consequential, or incidental arising out of the use of or inability to use this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.

In order to obtain warranty service, you must provide evidence of purchase date. For your convenience, keep the dealer's dated bill of sale or delivery ticket as evidence of the purchase date.

To obtain the name of the authorized CASIO PHONEMATE service facility, call CASIO PHONEMATE's HelpLine at (410) 686-2885 or (310) 320-9810.

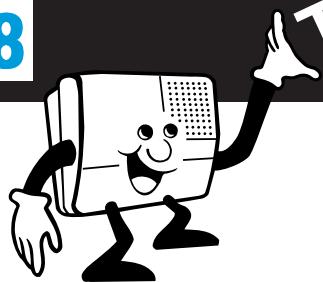
If you live in an area that is highly susceptible to electrical storms, you may want to purchase a Lightning Arrestor. The Lightning Arrestor attaches to your answering machine and if lightning causes a surge through your phone line, the arrestor will help suppress the surge of electricity which may cause damage to your unit.

To purchase your Lightning Arrestor, use the attached Accessory Order Form or call CASIO PHONEMATE's Parts Department toll free: 1-800-322-9995.

FACTORY SERVICE CENTERS

20665 Manhattan Place
Torrance, CA 90501
(310) 328-6453

8805 Kelso Drive
Baltimore, MD 21221
(410) 391-0974



"Blocked" and "Unavailable" Messages

If a caller chooses to partially or completely "block" a call, a message will appear on the display indicating that the name and/or phone number has been blocked:

BLOCKED
BLOCKED

Time and date information of for the call will still be recorded into the TA-160's memory.

If, for any other reason, the name and/or number information is currently not available from your local phone company, an "Unavailable" message will appear on the display:

UNAVAILABLE
UNAVAILABLE

Again, the time and date information for the call will still be recorded into the TA-160's memory.

Stored Caller ID numbers can not be dialed.

The TA-160 can make returning phone calls easier by automatically dialing stored Caller ID numbers. In order for this feature to work correctly, it is necessary to program your local area code into the unit. (See page 8) This Call Waiting Caller ID answering machine must be installed on a touch-tone line. Call your telephone company to make sure that you have a touch-tone service and not pulse/rotary dialing service.

Call Waiting Caller ID does not work

1. You must order the complete package known as Call Waiting Caller ID from your local telephone company. If you simply subscribe to the separate Call Waiting and Caller ID services, you will not receive Call Waiting Caller ID information.
2. Turn the TA-160's Call Waiting Caller ID option on. (see page 8)
3. The telephone company cannot transmit Call Waiting Caller ID information if two or more extension phones are in use.

Recorded messages are cut off.

The TA-160 is designed to disconnect from the line after a caller stops talking. Calls may be cut off if a four-second pause is detected, if the caller does not speak loud enough, or if the message is less than four seconds in length.

ROUBLESHOOTING

No Caller ID data is displayed

Confirm with your telephone company that your subscription(s) to Caller ID or Call Waiting Caller ID services have been activated. Caller ID information will be received within the first two rings.

The TA-160 does not respond when you enter your remote access code during the greeting.

Try re-entering the correct code after the beep.

My incoming messages, greetings and Caller ID information were erased.

Disconnection of the AC Adapter from the back of the unit will cause the TA-160 to lose all recorded messages, greetings and Caller ID information. This is a built-in feature to assist in troubleshooting any machine problems. Make sure that you have looped the power cord through the AC Adaptor Cord Holder on the back of the unit to prevent accidental disconnection.

Between messages there is an operator recording or a beep and dial tone.

The caller has hung up without leaving a message. A shorter greeting will reduce the frequency of these recordings.

You have more than one telephone number and are experiencing difficulty.

See Multi-Line Installation, page 36.

There is no sound during playback.

Check and adjust the volume control switch.

The unit does not automatically stop playing the greeting or recording a message when you pickup an extension phone.

Briefly press and release the hook-switch on the extension phone.

"NO LINE" appears in the display.

Connect the telephone cord to the wall jack and make sure the line is operational.

No Caller ID information is displayed upon playback of a recorded conversation.

Recorded conversations are recorded without Caller ID data. Any Caller ID information is contained in the recorded message immediately preceding the recorded conversation.

TROUBLESHOOT (Continued)

All messages are stamped with Sunday, 12:00 a.m.

Program time and date. See "Set Voice Time/Day Stamp" on page 9.

A caller is unable to leave a message and there is no Caller ID information stored for that call.

If the machine is currently recording a message from another caller, the TA-160 will not display or retain Call Waiting Caller ID information.

Calls on hold are disconnected.

Review the HOLD section on page 23.

Unit rings but does not answer calls.

Make sure the TA-160 is turned on. See the ON/OFF section on page 3.

Recorded messages will not erase after playback.

1. Press ERASE/FLASH during message playback to erase individual messages or within 7 seconds after the last message has played to erase all messages.
2. Do not press SAVE/HOLD.

The unit does not record incoming messages.

1. Memory may be full, please see page 19 to erase messages or remote operation page 29.
2. The volume switch may be set too low and recorded messages cannot be heard.
3. The machine may have been accidentally turned OFF. If the machine is turned OFF, indicator lights will not be lit and "UNIT IS OFF" will appear in the display.
4. The caller may have hung up within 4 seconds of the machine answering a call, and therefore the TA-160 will not record a message by design.
5. In certain situations, your local telephone company may transmit signals that are recorded by your machine without any associated message.
6. No calls were actually received by the TA-160.

Greeting sounds garbled or difficult to hear.

Strictly follow the guidelines for recording your greetings:

1. Speak loudly and clearly about 6" to 8" from the microphone.
2. Avoid any background noise.
3. Greeting should be recorded using the voice of only one person.

After several attempts the TA-160 will not operate properly.

To reset the TA-160, unplug the AC ADAPTER PLUG from the back of the TA-160 for 10 seconds. The greetings, incoming messages, time/day stamp, remote access code and all Caller ID records will be intentionally erased. Re-record the greetings, set the time and day and reprogram the machine.

If this action does not fix the problem, call the CASIO PHONEMATE Helpline. CASIO PHONEMATE's helpline staff can often resolve problems or recommend repair service when needed.

Unless you live close to a CASIO PHONEMATE Service Center, you may be required to mail the product to CASIO PHONEMATE for repair. To mail the product to the service center you should:

1. Package the unit in its original box or a comparable package.
2. Include a clear and specific explanation of the problem.
3. Include your name, address, and phone number.
4. Provide a legible photocopy of the dated store receipt for warranty purposes.

**FACTORY
SERVICE
CENTERS**

CASIO PHONEMATE, INC.
Attn: Customer Service
20665 Manhattan Place
Torrance, CA 90501
(310) 328-6453

CASIO PHONEMATE, INC.
Attn: Customer Service
8805 Kelso Drive
Baltimore, MD 21221
(410) 391-0974



Should you have additional questions, please call CASIO PHONEMATE's Helpline at (310) 320-9810 (West Coast) or (410) 686-2885 (East Coast) for assistance.

FCC REQUIREMENTS USER INSTRUCTIONS

1. This equipment complies with Part 68 of the FCC rules. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment. If requested, provide this information to your telephone company.
2. The REN is useful to determine the quantity of devices you may connect to your telephone line and still have all of those devices ring when your number is called. In most, but not all areas, the sum of the RENs of all devices should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should call your local telephone company to determine the maximum REN for your calling area.
3. If your answering machine causes harm to the telephone network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC.
4. Your telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the proper operation of your equipment. If they do, you will be given advance notice so as to give you an opportunity to maintain uninterrupted service.
5. If there is a problem with this unit, the telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure that the equipment is not malfunctioning.
6. Repairs can only be made by the manufacturer or an authorized service agency. Unauthorized repairs void registration and warranty. Contact seller or manufacturer for details of permissible user-performed routine repairs, and where and how to have other than routine repairs made.
7. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

Jack: RJ11 Ringer Equivalence: see bottom/underside.

CASIO PHONEMATE, Inc. 20665 Manhattan Place, Torrance, CA 90501

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

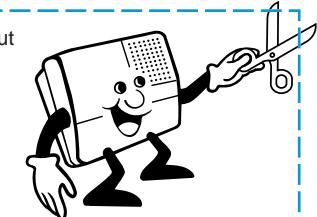
- ✓ Reorient or relocate the receiving antenna.
- ✓ Increase the separation between the equipment and receiver.
- ✓ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ✓ Consult the dealer or an experienced radio/TV technician for help.

Any changes made by the user not approved by CASIO PHONEMATE can void the user's authority to operate the equipment.

ACCESSORIES

To order accessories for your TA-160 answering machine, simply cut out this order form, fill in the appropriate information and send it with payment (check, money order or credit card information) to:

CASIO PHONEMATE Parts Department
8805 Kelso Drive
Baltimore, MD 21221
or Call: 1-800-322-9995



Description	Part No.	Price	Qty.	Total
Lightning Arrestor - Helps protect telephone answering machines from damage caused by lightning strikes to the telephone line. <i>Recommended for areas prone to electrical storms.</i>	2700140	\$19.95		
AC Adapter - For Model TA-160.	1601060	\$10.50		
Touchtone Dialer - Activates the beeperless remote operation in areas where true touchtone is not available or from cellular phones.	2001018	\$19.95		
Modular Duplex T-Adapter - Converts a single modular telephone jack to a double jack.	2700156	\$5.95		
Modular Two Line T-Adapter - Splits one RJ14 two line jack into two RJ11 single line jacks.	2700135	\$5.95		
A+A1 Light Control - When using this answering machine with a business phone system, this accessory enables the in-use indicator at a receptionist's console to light when the phone is off-hook.	2701180	\$6.95		

Subtotal

CA & MD residents
add applicable
sales tax

All orders add
shipping and
handling

\$3.50

Total

VISA and Master Card orders ONLY call toll free 1-800-322-9995
or use this form to order. CASIO PHONEMATE, Parts Dept.,
8805 Kelso Drive, Baltimore, MD, 21221

Enclosed is my check/money order for the total amount.

Please charge my credit card. VISA MasterCard

|||||

|||||

Card No.

Expiration Date

Name _____

Street Address _____

City _____ State _____ Zip Code _____

Signature _____ Telephone _____

Please fill in the quantity and total price of the items that you are requesting. Figure the total, and send a check or money order for the proper amount. We do not accept C.O.D. orders. Allow 15 working days for delivery. Prices subject to change without notice. Returns subject to 20% restocking charge upon approval.

Design and specifications are subject to change without notice.

U.S. Pats.

4,120,583	4,825,364
4,121,284	4,829,419
4,371,923	4,896,260
4,396,976	4,942,516
4,531,182	5,289,529
4,686,622	5,557,106

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Torrance, CA 90501

Internet Web Site:
<http://www.CASIOPHONEMATE.com>

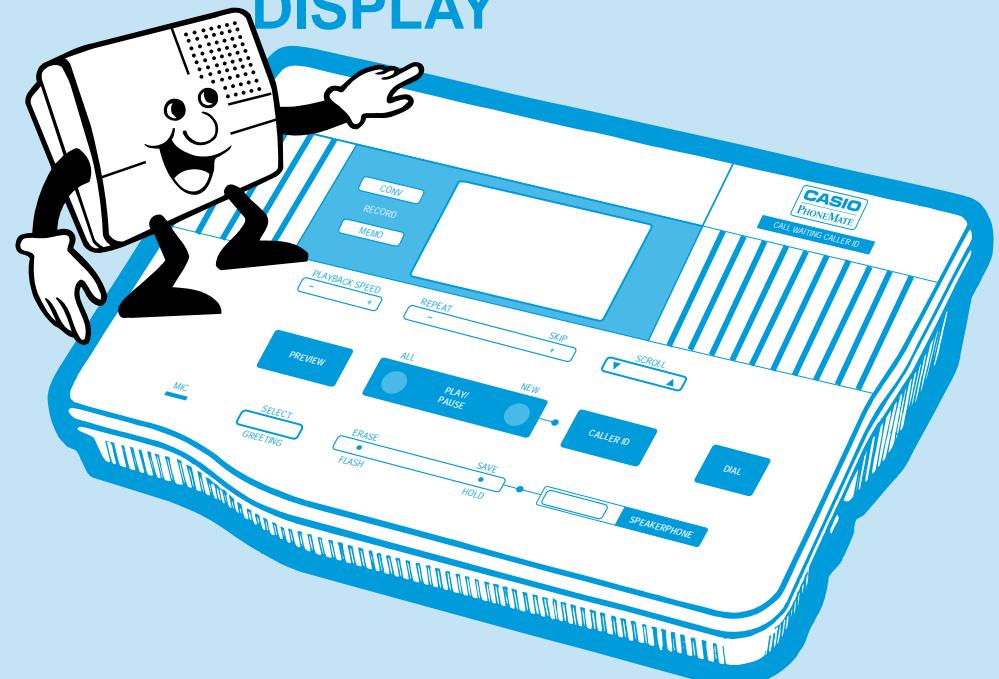
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Printed in Malaysia

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EASY TO USE OWNER'S GUIDE

TA-160 DIGITAL ANSWERING MACHINE WITH CALL WAITING CALLER ID DISPLAY



A touchtone line is needed to operate this unit and a service subscription from your local telephone company is required for Caller ID features to operate.

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